

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072794 A2

(51) International Patent Classification⁷: **A61M 5/145**,
5/142, F03G 7/06

(21) International Application Number:
PCT/DK2005/000060

(22) International Filing Date: 28 January 2005 (28.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2004 00123 29 January 2004 (29.01.2004) DK
PA 2004 00428 17 March 2004 (17.03.2004) DK

(71) Applicant (for all designated States except US): **M 2 MEDICAL A/S** [DK/DK]; Mesterloddén 42, DK-2820 Gentofte (DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **MERNØE, Morten** [DK/DK]; Høstvej 21, DK-2920 Charlottenlund (DK).

(74) Agent: **NIELSEN, Henrik, Sten**; Budde, Schou & Ostensfeld A/S, Vester Søgade 10, DK-1601 Copenhagen V (DK).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DISPOSABLE MEDICINE DISPENSING DEVICE

(57) Abstract: A combination of a disposable, wearable, self-contained medicine dispensing device, a cylindrical medicine container 52 incorporating a piston and having an open distal end and a proximal end closed by a closure body 54 made of a material, preferably silicone, that can be perforated by a needle, and a catheter device 16 having adhesive means 26 for attaching the catheter device to the skin of a user of the combination, the dispensing device comprising a housing 34, 36 having a compartment for receiving the container and further a not shown piston rod for displacing the piston towards the closed proximal end and actuating means for displacing the piston rod, the catheter device comprising a sealing ring 56' for receiving the closure body, and the dispensing device and the catheter device comprising co-operating attachment means for attaching the dispensing device to the catheter device with the container received in the compartment with the piston rod abutting the piston and the closure body received in the sealing ring.



WO 2005/072794 A2